

DATA MANAGEMENT APPLICATION PROGRAMMING INTERFACE SESSION  
MANAGEMENT FOR A PARALLEL FILE SYSTEM

**ABSTRACT**

In a cluster of computing nodes having shared access  
5 to one or more volumes of data storage using a parallel  
file system, a method for managing the data storage  
includes selecting a first one of the nodes to serve as a  
session manager node, and selecting a second one of the  
nodes to serve as a session node for a data management  
10 application. A session of the data management  
application is created on the session node by sending a  
message from the session node to the session manager  
node, causing the session manager node to distribute  
information regarding the session among the nodes in the  
15 cluster. Responsive to the information distributed by  
the session manager node, events are received at the  
session node from the nodes in the cluster for processing  
by the data management application.